

In re the Application of PAUL MEYER
Intl. Appln. No. PCT/GB03/01420
Docket No. 0380-CP6250203

Claims 1-14 (Cancelled)

- 15.(New) An eyesight correction device, comprising:
a pair of substantially inflexible nesting lenses, one of the lenses having a divergent refracting surface and the other having a convergent refracting surface; and
means for moving at least one of the lenses in a direction substantially normal to the refracting surfaces so as to create a cleft of changing width between facing surface of the lenses;
wherein the lenses are arranged so that viewed light travels through the divergent refracting surface and convergent refracting surface in that order.
- 16.(New) An eyesight correction devices according to claim 15, wherein the width of the cleft is less than the focal length of the refracting surface of the first of the lenses through which viewed light travels.
- 17.(New) An eyesight correction device according to claim 15, wherein one of the lenses has a concave surface within which nests a convex surface of the other of the lenses, the cleft being created between said surfaces.
- 18.(New) An eyesight correction device according to claim 17, wherein the lenses are arranged so that viewed light travels through the concave and convex surfaces in that order.
- 19.(New) An eyesight correction device according to claim 15, wherein the facing surfaces of the first and second lenses have complementary shapes so that when they are brought into precise juxtaposition, the cleft between them is virtually eliminated.

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Docket No. 0380-CP6250203

20.(New) An eyesight correction device according to claim 15, wherein the refracting surfaces are of substantially equal and opposite focusing power.

21.(New) An eyesight correction device according to claim 15, wherein both of the outer lens surfaces are substantially planar.

22.(New) An eyesight correction device according to claim 15, wherein one or both of the outer lens surfaces are contoured.

23.(New) A pair of spectacles comprising for each eye an eyesight correction device according to claim 15.

24.(New) A pair of spectacles according to claim 23, wherein the moving means have a single actuating mechanism common for the pair of spectacles.

25.(New) A variable focus contact lens comprising an eyesight correction device according to claim 15.

26.(New) A variable focus intraocular lens comprising an eyesight correction device according to claim 15.

27.(New) An optical instrument objective fitted with a variable focusing device, the device comprising:

a pair of substantially inflexible nesting lenses, one of the lenses having a divergent refracting surface and the other having a convergent refracting surface; and means for moving at least one of the lenses in a direction substantially normal to

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Docket No. 0380-CP6250203

the refracting surfaces so as to create a cleft of changing width between facing surfaces of the lenses;

wherein the lenses are arranged so that viewed light travels through the divergent refracting surface and convergent refracting surface in that order.